

INTERNATIONAL SEARCH REPORT

PCT/GB2004/000984

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F16B13/08 F16B13/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F16B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| X A | US 3 523 482 A (PLOCH HENRY W ET AL) 11 August 1970 (1970-08-11) figures 1-3 column 1, line 48 - column 3, line 38 ----- | 1,3-6 2,7-10 |
| X A | US 4 246 688 A (RISDON GRANT S) 27 January 1981 (1981-01-27) the whole document ----- | 1,3-5 2,6-10 |
| X A | US 2003/017024 A1 (WIESER JURGEN ET AL) 23 January 2003 (2003-01-23) figure 3 claims 1,6,7 ----- | 1,3-6 2,7-10 |
| X A | DE 100 15 202 A (HILTI AG) 4 October 2001 (2001-10-04) figure 3 claims 5,8 ----- | 1,3-6 2,7-10 |



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

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- *O* document referring to an oral disclosure, use, exhibition or other means
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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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- *Z* document member of the same patent family

Date of the actual completion of the international search

8 June 2004

Date of mailing of the international search report

22/06/2004

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Information on patent family members

PCT/GB2004/000984

| Patent document cited in search report | | Publication date | Patent family member(s) | | Publication date |
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| US 3523482 | A | 11-08-1970 | NONE | | |
| US 4246688 | A | 27-01-1981 | NONE | | |
| US 2003017024 | A1 | 23-01-2003 | DE EP | 10134605 A1 1277973 A2 | 06-02-2003 22-01-2003 |
| DE 10015202 | A | 04-10-2001 | DE | 10015202 A1 | 04-10-2001 |